CAST-IRON PIPES, IRON WORK FOR OVENS, &c.

RAIN PIPES, &c.—F. A. TIDDEMAN,

Purfleet Wharf, Earl-street, City, near Blackfriars-bridge, keeps a large stock of Rain Pipes, Heads, Shoes, Elbows, &c., half round and O. G. Guttering, Socket Pipes for Water or Gas, Plinth Pipes, Sash Weights, and other Castings; Iron Work for Bakers' Ovens of every description, fitted complete, to be had in sets or in parts.—Prices equal to all competition. Contracts taken to any extent.

TO ARCHITECTS, BUILDERS, AND BRICK-MAKERS.

PUMPS of Superior CONSTRUCTION,

bored perfectly true by improved machinery, in various plain and ornamental patterns for Conservatories, Squares, Market Places, Roads, Gardens, and for Liquid Manure. BRICK-MAKERS' PUMPS, in Wrought and Cast Iron. HYDRAULIC LIFT PUMPS, and ENGINES for Wells of any depth. SINGLE and DOUBLE PUMPS up to twelve-inch bore, kept for Hire.

BENJ. FOWLER, 68, Dorset-street, Fleet-street.

FLEXIBLE INDIA-RUBBER PIPES AND TUBING,

For Railway Companies, Breweries, Distillers, Fire Engines, Gas Companies, Gardening and Agricultural purposes, &c.

THE PATENT VULCANIZED INDIA-RUBBER HOSE-PIPES are made to stand hot liquor, and acids without injury—do not become hard or stiff in any temperature (but are always perfectly flexible) and as they require no application of oil or dressing, are particularly well adapted for locomotive engines, railway cranes, fire engines, pumps, gas, beer engines, gardens, and all purposes where a perfectly flexible pipe is required. Made all sizes, from 1 inch bore upwards, and of any length to order. Vulcanized India rubber garden hose fitted with brass taps, copper branch and rose complete, ready to be attached to pumps, water butts, or cisterns. Sole manufacturer, JAMES LYNE HANCOCK, Goswell-street, Goswell-road, London.

N.B. Vulcanized India-rubber washers of all sizes for joints or hot-water and steam pipes, and vulcanized sheet rubber any thickness for all kinds of joints, and other purposes.

TO ARCHITECTS, BUILDERS, &c.

COPPER-WIRE CORD.—R. S. NEWALL

and Co.'s PATENT IMPROVED COPPER-WIRE CORD for WINDOW SASH LINES, Hot-houses, Lightning Conductors, Hanging Pictures, Clock Cord, and various other purposes for which hempen rope has hitherto been used. This new and valuable Patent is fast superseding the use of the hempen cord, and is strongly recommended to all builders and other parties connected with the above. The Wire Cord may be had wholesale, and specimens seen at the office of the Patentees, No. 163, Fenchurch-street, W. T. ALLEN, Agent; or retail of G. and J. DEANE, 46, King William-street; E. PARKS, 149, Fleet-street; T. JONES, 63, Charing Cross, and GIBBONS and Co., 245, Oxford-street: also of all respectable Ironmongers.

LIGHTNING CONDUCTORS for BUILDINGS.—SMITH'S PATENT COPPER WIRE ROPE is being daily employed for the protection of CHURCHES and other buildings from the effects of thunder storms. It possesses important advantages over other forms of conductors. References can be given where it has been applied for some time past to CHURCHES, PUBLIC and PRIVATE BUILDINGS, &c. &c. Its general adoption in the Naval and Mercantile Marine of this and other countries is the strongest possible EVIDENCE of its EFFICIENCY, &c.

SMITH and ENGLISH beg the attention of those engaged in building to their IMPROVED PATENT PANELLED and REVOLVING IRON SHUTTERS.—Also, the Patent Weather-tight Fastening and Cill Bar, for French Casements, which are so much admired for their security, simplicity, cheapness, and efficiency. Of the merits of their

Patent Double and Single Action Door Springs,
Improved Flooring Cramps,
Patent Wire Sash Lines, &c. &c.,

little need be said, as they are pretty generally known and appreciated.

Manufactory for Iron Suspension, Sliding, and other Doors, Strong Rooms, Plain and ornamental Palisading, Gates, and Columns.—Also, Metal Sashes, Shop-fronts, Stall-board Plates, Brass, Butt, and other Hinges. Buildings heated upon a new, safe, and superior plan.

Estimates given for every description of Metal-work.

SMITH and ENGLISH, 68, Princes-street, Leicester-square, London.

BURBIDGE and HEALY, 130, FLEET-STREET, LONDON, beg respectfully to inform the Building Public that they fit up COOKING ARRANGEMENTS for large Mansions, with patent appliances on scientific principles, which ensure greater economy and efficiency than hitherto attained. Also HOT WATER APPARATUS, upon improved and scientific principles, which they recommend for its peculiar safety for the Warming of Mansions, &c.

They fit up Laundries with Hot Water Apparatus, for Drying in a cleanly, expeditious, and safe manner. They also fit up BATHS with elegant arrangements, every modern, valuable improvement. Also, Apparatus for the plentiful supply of Hot Water for Baths and general use of Mansions and large establishments.

TO BUILDERS and CARPENTERS.—

Elliptic Stoves, double backs, 3d. per inch. Registers, 6½d., 7d., 8d. per inch.

Cottage Ranges, with Oven and Back Boiler, 3 ft., 30s.; 3 ft. 3 in.: 3 ft. 6, 40s.; 3 ft. 9, 45s.

Self-acting Ranges, with Circular Oven and Back Boiler, best Wrought Bars and Bright Fittings,

3 ft., £3. 3s.	3 ft. 6, £3. 12s. 6d.	4 ft., £4.

Best Patent Cut Clasp.

5d.	6d.	8d.	11d.	1s. 4d.	1s. 10d. per 1,000.
6d.	8d.	10d.	1s.	2s.	2s. 6d.

Best Sheet Floor Grate 1½d. per cwt.
Best Town Ditto 2½d. Do. Scotch, 2½d. per cwt.

Best Patent Sash Line

4s. 3d.	5s.	6s. 6d.	7s. 6d.	10s.	12s. per gross.
1	2	3	4	5	6

At F. R. WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 38, Cursitor-street, Fleet-street, Chancery-lane.

Lists of Prices had on application at the Warehouse, or by letter pre-paid, inclosing postage stamp.

N.B. Warehouse closes at Seven o'clock.

TO ARCHITECTS, BUILDERS, &c.

R. HENLY and Co., WHOLESALE IRONMONGERS, and Manufacturers of KITCHEN-RANGES, STOVES, &c., 194, Blackfriars-road, and 137, Union-street, Borough.

Recommend Self-acting Kitchen Ranges, with Back Boiler and Oven, and Wrought Bars:—

3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft.
£3. 0s.	£3. 12s.	£3. 16s.	£4.	£4. 10s.

Henly's Patent Improved, with back Boiler and Wrought Iron Oven:—

3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft.
£3.	£3. 15s.	£4. 5s.	£4. 15s.	£5.

Best Register Stoves, at 7d., 8d., and 9d. per inch.
Do. Elliptic do., at 3½d., and 4d. do.

Manufacturer of WOLFASTON'S PATENT REGISTER STOVES, a certain cure for SMOKY CHIMNEYS, and effecting a great saving in fuel. To be seen in use daily.

Orders from the Country, accompanied with a remittance or reference, will meet with prompt attention.

OLD-ESTABLISHED WHOLESALE IRONMONGERY WAREHOUSE, Kitchen ranges, and Stove-grate Manufactory, 18, Fenn-street, Walworth.

JOHN GRICE most respectfully solicits the attention of Architects, Builders, and Carpenters, to his Stock of Black and Bright Stoves, Kitchen Ranges, &c., &c.

Black Registers, from 6½d. per in. and upwards.
Bright ditto with Black and Bright Bars, 8d. 10d. and upwards.
Self-acting Kitchen Ranges, with Oven and Back Boiler, Wrought Bars, Fittings Bright:—

3 ft.	3 ft. 6 in.	4 ft.
£3. 3s.	£3. 14s.	£4. 4s.

All articles made on the premises and warranted, and delivered free of expense within five miles of London. Bell-hanging in superior style, hung in secret, 3s. per pull.

LAP WELDED IRON TUBES.—W. H. RICHARDSON, Jun. and Co., MANUFACTURERS of every description of WROUGHT IRON TUBES for Locomotive and Marine Boilers, Gas, Steam, and other purposes.
PATENT TUBE WORKS, DARLASTON, STAFFORDSHIRE.

IRON FOUNDRY, 9, Brick-lane, Old-street, St. Luke's.—J. J. JONES having made great additions to his STOCK OF PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Staircases, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Cantilevers, Newel Bars, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.

BAKER'S OVEN WORK, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

IRON FOUNDRY,

100, DRURY-LANE, and CHARLES-STREET, DRURY-LANE,

JOSEPH GLOVER,

Solicits the attention of the Trade to his extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, consisting of those for every purpose, either structural or ornamental.

Wheel Pinion and Steam-Engine Patterns; Range Stove and Hot Plate Metal.

A stock of Rain-Water Pipes, Plain and O G Guttering, Air Bricks, Sash Weights, &c. &c.

A very superior description of Soot Door, particularly suitable for internal work, being perfectly secure, and neat and tastefully.

ESTIMATES given for IRON ROOFING and every description of Iron-work, complete to specification, and the work executed with every attention to quality and dispatch.

GLOVER'S FOUNDRY,
100, DRURY-LANE, and CHARLES-STREET.

MESSRS. HOPKINS and Co. solicit the attention of Architects, Builders, Upholsterers, and the Public generally to their REGISTERED SELF-REGULATING BLINDS, which, differing entirely with the centre line, is particularly suited to French casements and high windows. OUTSIDE SUN BLINDS ON IMPROVED BALANCE ACTION.

H. and Co. are the sole manufacturers of BARRON'S PATENT METAL GROOVE ACTION, constructed for the easy and noiseless carriage of curtains on Brass or Wood Poles. This action has been much used, and with invariable success in octagon, bow, and other shaped windows. Models constantly on show.

HOPKINS and Co., late James Barron, Window Blind Manufacturers, Cabinet and General Brass Founders, 45, Castle-street, East, Oxford-street, London; and at Birmingham.

JENNINGS, Patentee of the SHOP SHUTTER SHOE and FASTENER, which requires NO BAR; of the INDIA RUBBER TUBE COCK, PATENT JOINT, &c. &c.—29, Great Charlotte-street, Blackfriars-road.

SNOXELL'S PATENT SAFETY REVOLVING WOOD SHUTTERS, Manufactory, 98, REGENT-STREET and 19, CHANCERY LANE. Patent sealed on the 4th day of February, 1845, for Fourteen Years, for Improvements in Revolving Shutters of WOOD and IRON, consisting of Six Methods of Raising and Lowering Shutters, without Machinery, and Two for Hinging and Sheathing the Edges of Wood Laths with Iron.—The Patentee having fixed up some hundreds with full plates, forwarding the Testimonials of Architects, Principals of large Establishments, and others, having them now in use, which fully guarantees the Patentee in stating they are beyond dispute superior to any other Revolving Shutter for durability, security, and simplicity, without the use of cog-wheel worm and screw gear, or any other complicated machinery employed by other makers.

BUNNETT and CORPE, ENGINEERS,

Patentees of
REVOLVING IRON AND WOOD SAFETY SHUTTERS,
and of
ORNAMENTAL METALLIC SASH BARS, MOULDINGS, &c.,
IN BRASS, COPPER, ZINC, &c.

Beg respectfully to solicit a comparison with the Revolving Shutters (either iron or wood) of any other Makers, whatever their pretensions. The extraordinary demand, arising from the universal satisfaction given, for BUNNETT and CORPE'S PATENT REVOLVING SHUTTERS (of which some thousands have been fixed in all parts of the Kingdom), having induced other parties to attempt the introduction, by the most absurd representations, of sundry old and discarded inventions as Improvements, B. and C. assure their Friends and the Public that, during their most extensive use, they have adopted every really practical improvement that skill and experience could suggest. A great reduction has also been made in the price, and they are now much CHEAPER, as well as BETTER, than any others.

The prices of the Patent Metallic Sash Bars, &c. have been revised and reduced; Shop Fronts, &c., completely fixed and fixed in a superior style, either plain or ornamental. Strong drawn moulded stallboard plates, handsomely engraved. Shop Fronts, &c., completely glazed with best plate glass.

SKYLIGHTS manufactured to any design or extent in Wrought or Cast-iron, Copper, or Zinc.

B. and C. are also sole licensees for MARVIN and MOORE'S PATENT DIAGONAL GRATINGS, for areas at shop fronts, for shop, warehouse, and balcony floors, &c., which does not obstruct the light, yet admits of Ladies walking over or standing on the same.

IMPROVED PATENT BENCH AND FLOORING CRAMPS FOR BUILDERS.

Patentees of Self-Acting Effluvia Traps for Sewers, Drains, &c.

Manufacturers of Improved Steam Engines, Sawing and other machinery, especially adapted for builders' purposes, which may be seen in operation, daily, at the Works, Deptford, Kent.

Estimates and Contracts taken, in town or country. Patterns, and every particular may be obtained, on application at the Office of the Patentees, 28, Leonard-street, London; and at the Works, Deptford, Kent.

PATENT CONVEX REVOLVING IRON SHUTTERS, recently manufactured, under license, by the late firm of H. HOWARD and Co., Old-street,
HARCOURT QUINCEY, Patentee.

CLARK and Co., Manufacturers, beg to call the attention of Architects, Builders, and others, to the IMPORTANT IMPROVEMENTS in the above Shutters, and inspection invited at their Manufactory, 238, Wapping, or at their Agents, 466, New Oxford-street. The great importance of strength and stiffness in the laths of REVOLVING IRON SHUTTERS, in affording increased security, is obvious, and it is only necessary to point out the fact, that the patent convex laths are twelve times stronger than the ordinary flat laths, to insure their general adoption.

CLARK and Co. also invite attention to their greatly improved gearing, for raising and lowering the patent Shutters, which, possessing all the advantages of the endless screw (worm and wheel), cannot, even by wear, be liable to run down, and entirely avoids the necessity of using the ratchet-wheel, and is at once simple and thoroughly effective, and is SAFER and MORE DURABLE than any plan yet adopted for that purpose; thus rendering the Patent Revolving Shutters the SAFEST and MOST EFFECTIVE in use. These Shutters are fixed horizontally (either above or below the window or door), or vertically, for which position the greatly increased strength of the convex laths renders them peculiarly suitable; and can, as applied to a doorway, may be seen any day after Four o'clock at the Britannia Life Assurance Office, corner of Princes-street, Bank.

CLARK and Co. are the SOLE MANUFACTURERS of REVOLVING SHUTTERS, WITH CONVEX IRON LATHS, Engravings and Prospectuses forwarded on application. IMPROVED DIAMOND METALLIC SASH BARS, ASTRIGALS, MOULDINGS, STALL-BOARD PLATES, &c.

Steam Engines always on hand. Sawing and Planing Machinery of every description made to order. Wrought-iron Box, and Cast-iron Girders for bridges, buildings, &c.—CLARK and Co., Engineers, 238, Wapping, or at 466, New Oxford-street, London.

WEBB and GREENWAY, Brass Founders, and Lock Manufacturers, York-street, Birmingham, beg to call the attention of Architects, Builders, and Cabinet-makers to their REGISTERED KNOB CUPBOARD TURN, having a shilling spindle, fast tongue, and stop washer raised, is being a considerable improvement upon the ordinary article.

BRASS and GUN METAL CASTINGS.

—Present price for Castings above 1 lb. weight each:—Brass, 8½d. per lb.; Gun Metal (common), 10½d. per lb.; Gun Metal best, 12d. on copper to 9½ on tin, 13½d. per lb.

J. TYLOR and SON, Brassfounders, Warwick-lane, Newgate-street, London.

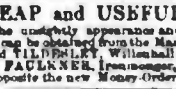
TO ARCHITECTS AND BUILDERS.

CHUBB'S WROUGHT-IRON and FIRE-PROOF DOORS and FRAMES, for strong Rooms. A large stock of the above, of all sizes, made in the best manner, and of different strengths, fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, constantly on sale, at very moderate prices. FIRE-PROOF SAFES of every size and Patent Detector Locks and Latches for all purposes.—C. CHUBB and SON, sole Manufacturers, 67, 68, Paul's Churchyard, London.

SAFETY LOCKS and COMBINATION LATCHES for STREET DOORS, and PATENT DETECTOR LOCKS, lower than any house in London, may be obtained from J. and R. TURNER, Ironmongers and Manufacturers of these invaluable Locks and Latches, with small numbers, warranted equal in quality to any locks made, and secure against pick-locks and false keys. Factories, Dock-yards, Builders, Plate Chest, Pianoforte, and Hat-case Makers supplied with Articles of the best quality on advantageous terms.

Agents for Milner's Fire-Proof Safes and Boxes, Cash Boxes, with Detector Patent Locks, City-road, opposite the Vinegar Works.—Manufactory, Brichain-street, Wolverhampton.

By Her Majesty's Royal Letters Patent.



BAILLIE'S PATENT ROUNDED RIM LOCKS,
WITH SECRET AND SECURE FIXTURE.

THIS CHEAP and USEFUL ARTICLE obviating the unsightly appearance and insecurity of the common rim lock, can be obtained from the Manufacturers, Messrs. CARPENTER and TILDESLEY, Willenhall; or from the sole Agent, Mr. JOHN FAULKNER, Ironmonger, 61, St. Martin's-le-Grand, London, opposite the new Money-Order Office.

T. PUGH'S REGISTERED RIM LOCK.

—T. PUGH and Co. beg to invite the attention of Architects, Builders, and others, to these new Rim, Drawback and Dead Locks and Latches, in either brass or iron, possessing great advantages in form, over the usual Rim Lock, and also in the quality, and produced at very moderate prices; each lock is warranted perfect and complete, with patent shifting spindles.—To be had only of T. PUGH and Co., 32, King-street, Snow-hill, City, at their Ironmongery Warehouse, where they keep an extensive and most complete stock of hammered and cut nails, iron and brass foundry, mortice locks and latches, plain, half rabbeted, and rabbeted; porcelain, glass, ivory, buffalo horn, wood, and all kinds of fancy mortice lock furniture; all goods of the best manufacture, and of the same superior quality they have been accustomed to send out for upwards of the last twenty years.

PRO BONO PUBLICO.

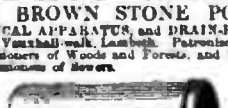
CAUTION to Purchasers of FIRE-PROOF DOORS for Strong Rooms, Safes, Chests, and Detector Locks, &c. &c.—LEADBEATER, many years manufacturer for Chubb.

LEADBEATER begs most respectfully to inform Architects, Surveyors, Builders, &c., that he can supply them with IMPROVED DETECTOR LOCKS for universal purposes, STRONG WROUGHT IRON FIRE-PROOF DOORS, SAFES, and CHESTS, &c., on the most improved principles of security against FIRE and THIEVES, without the aid of "expensive machinery," which is employed by some inexperienced tradesmen, but must be paid for; at prices 25 per cent. under any other house in London.

LEADBEATER offers ONE HUNDRED POUNDS reward to any person who can pick his improved detector locks or latches. Some thousands of Leadbeater's strong-room doors and safes have now been put up without a SINGLE COMPLAINT, and fifteen years' practical experience, during which he has adapted every possible improvement to real security, enables him to challenge competition with any house in London. A large assortment of all sizes on sale and made to order. A pair of extra strong wrought-iron fire-proof folding-doors with ventilating gates, made expressly for a banker's strong room, may be viewed at his manufactory.

Strong wrought-iron doors for party walls, with wrought-iron rabbets, framed and secured by the BEST DETECTOR LOCKS in ENGLAND, 6 feet high by 2 feet 3 inches wide and upwards, price 16l. each, always on hand at LEADBEATER'S MANUFACTORY, 185, ALDERSGATE-STREET, LONDON.

UNION BROWN STONE POTTERY, CHEMICAL APPARATUS, and DRAIN-PIPE MANUFACTORY, 14, Vauxhall-walk, Lambeth. Patronised by Her Majesty's Commissioners of Woods and Forests, and by the Metropolitan Commissioners of Sewers.



WILLIAM NORTHEN, Inventor of Salt GLAZED BROWN STONE SOCKET DRAIN-PIPES, in every variety of shape, begs to call the attention of Architects, Surveyors, Contractors, and Others to the following list of prices:—

Straight Barrel Pipes, with Socket Joints, in 2-ft. Length				
3-in.	4-in.	6-in.	9-in.	12-in. bore.
4d.	5d.	6d.	1s.	1s. 6d. per foot.

Bends and Junctions equally low.

N.B. Drain-pipes of any Manufacture may also be obtained of Messrs. ROSHER, at their Lime Wharfs, Albion Wharf, Holland-street, Blackfriars; Millbank-street, Westminster; Kingsland Basin, Kingsland-road; and Limekiln, Limehouse.

SANITARY IMPROVEMENTS.

BUNNETT'S

PATENT SELF-ACTING EFFLUVIA TRAP

For Sewers and Drains of all kinds.

Registered January 5th, 1848.

A cheap, durable, and most effectual means of preventing the escape of noxious vapours, it is entirely self-acting and self-cleansing, cannot get out of order, and may be readily applied in all situations without altering the present gratings.

The above is a most important improvement on all contrivances of the kind, and is manufactured in various sizes to suit all purposes, specimens of which may be seen, and also working models, at the office of Messrs. BUNNETT and CORPE, Engineers, 28, Leonard-street, London; and at the works, Deptford, Kent.

LAMBERT'S PATENT FLEXIBLE DIAPHRAGM HIGH-PRESSURE WATER-TAPS.—This application of the Vulcanized Caoutchouc (prepared expressly for these valves, with layers of canvas remaining therein), having now stood the test of two years' trial with perfect success, the Patentees beg to point out some of its many important advantages over the old plug and other taps and valves. First.—The security from leakage, let the pressure be ever so great. Its extreme durability, the parts in contact with the water being free from friction; the ease with which it is opened and closed; it never gets stiff or set fast for want of use, neither is it liable to injury by frost; they can be made in iron, and at a less cost than any other taps, and are exceedingly well adapted for ball or cistern valves, and in no instance have they been known to fail; many hundreds have been fixed, to which reference can be given with the greatest confidence.

THOMAS LAMBERT and SON, Patentees and Sole Manufacturers, 20, New Cut, near the Blackfriars-road, London.